

Title: "Data Collection System"
Inventors: Monroe et al. Application No.: 09/400,624 Docket No.: 42P11599
Blakely, Sokoloff, Taylor & Zafman 303-740-1980

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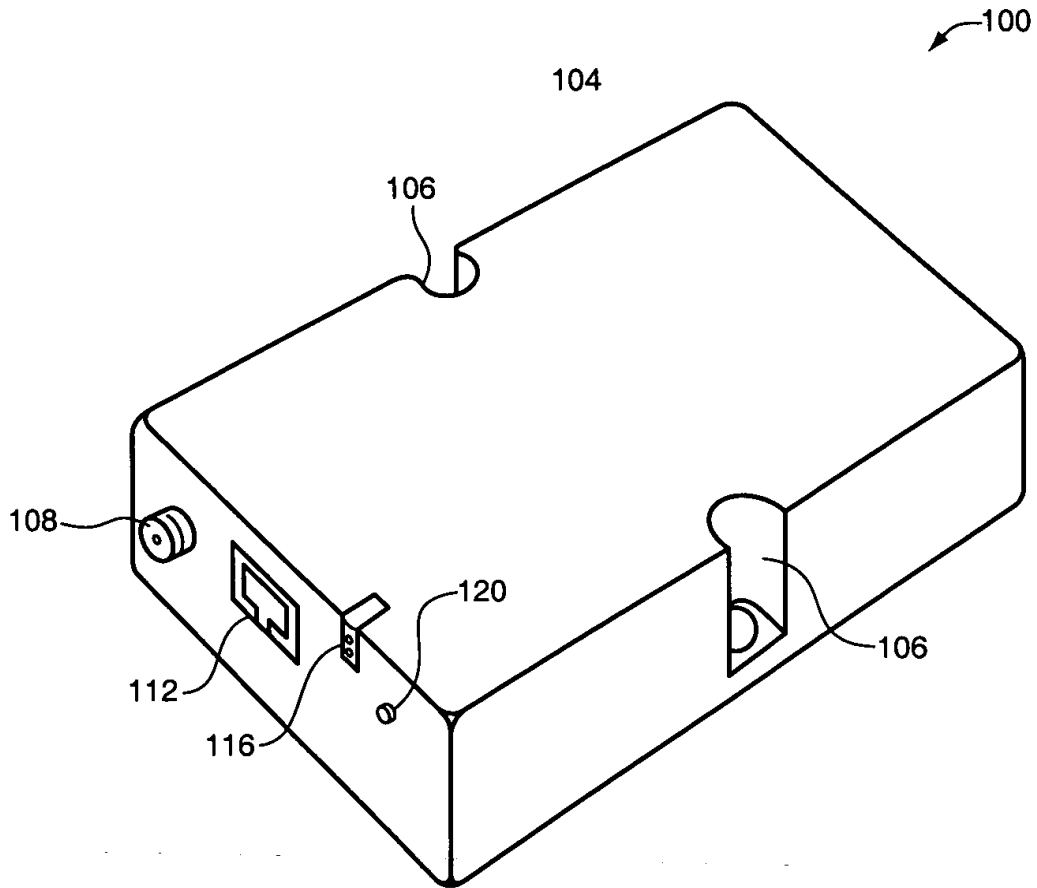
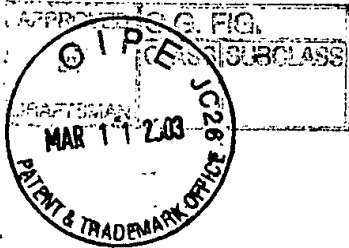


FIG. 1



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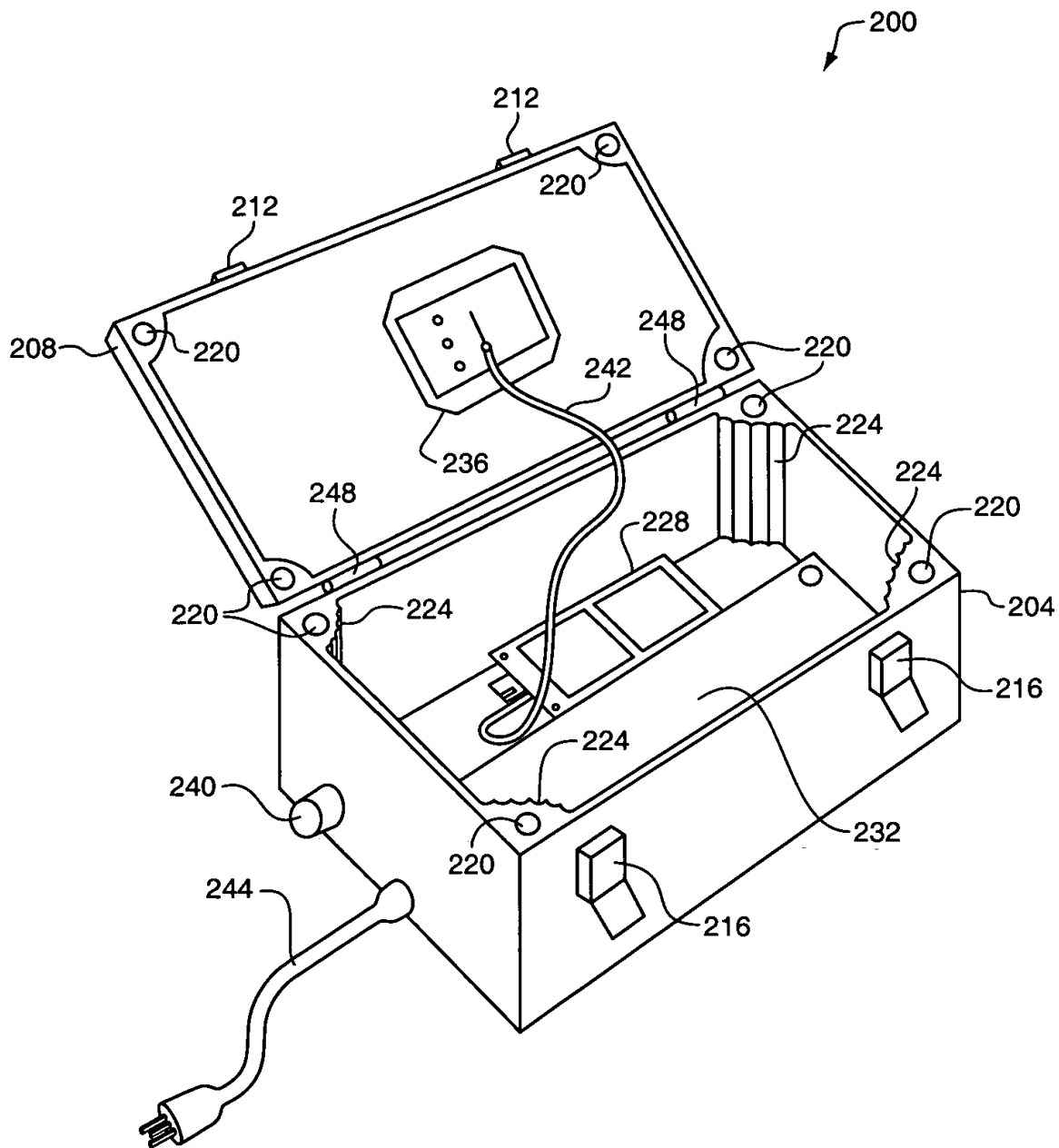
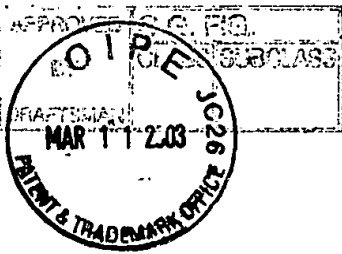


FIG. 2



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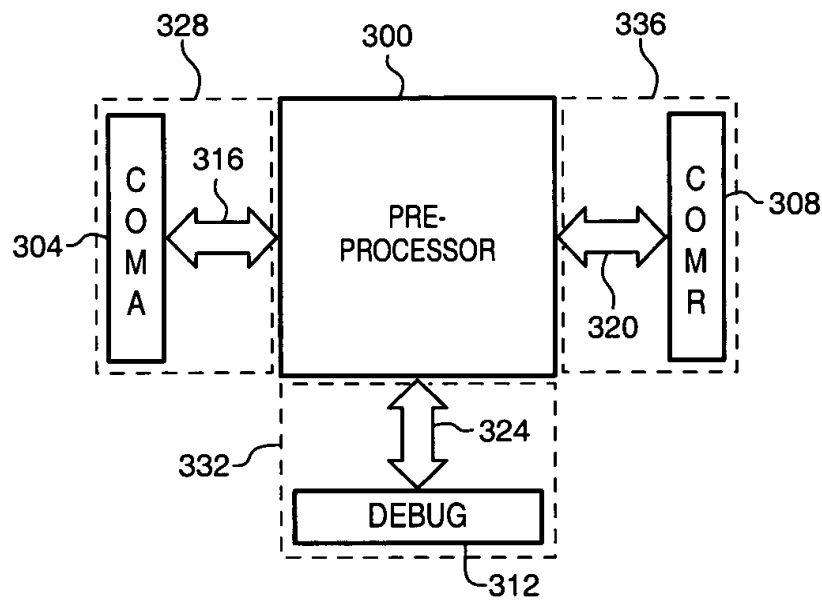


FIG. 3

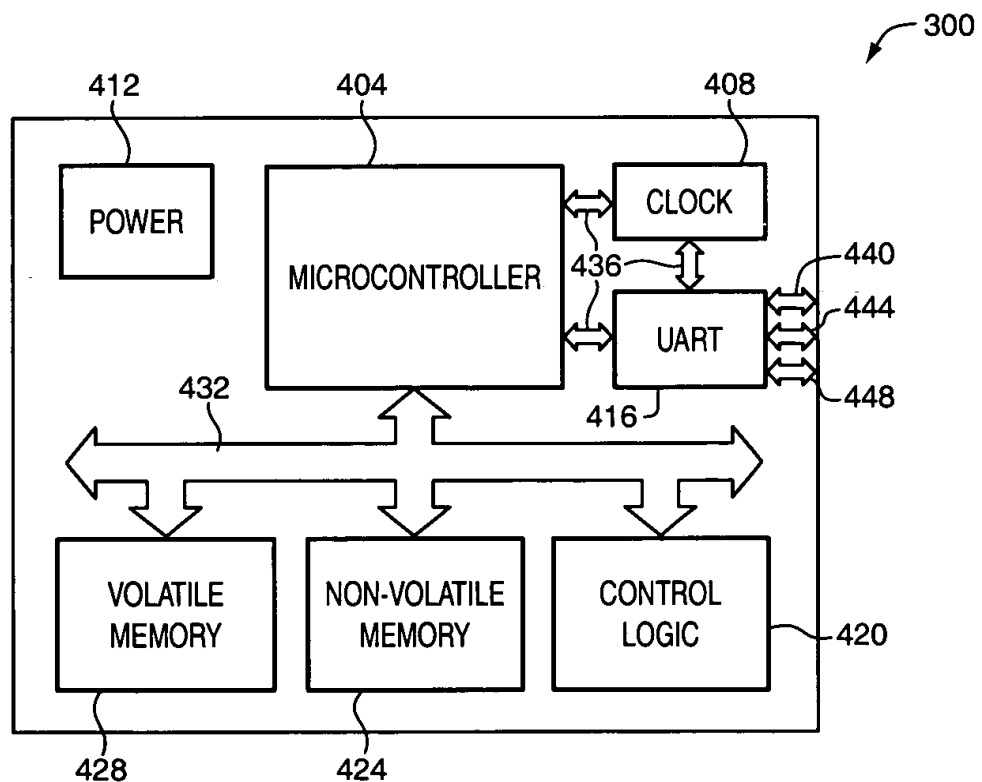
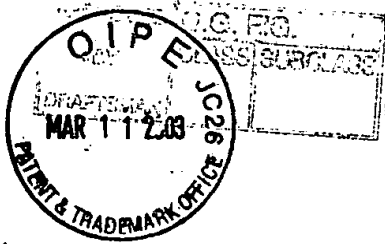
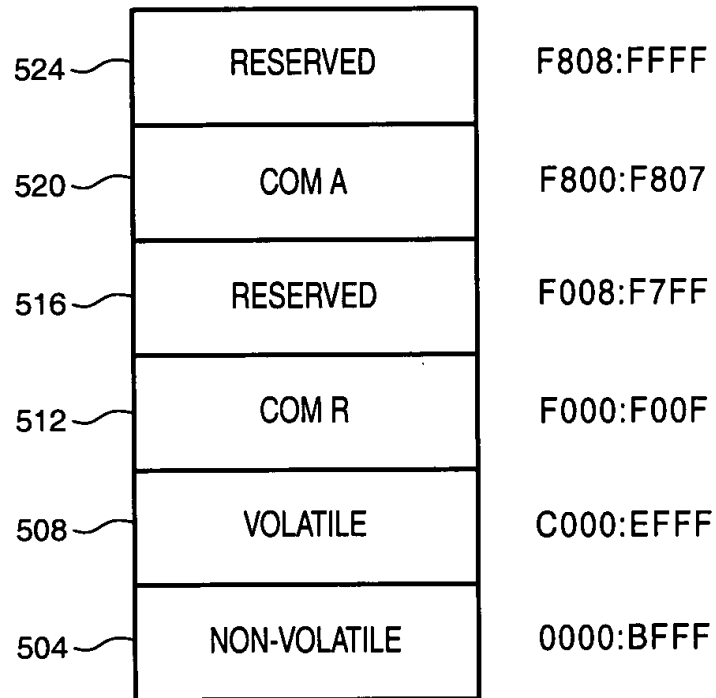


FIG. 4

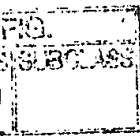


500



MEMORY MAP

FIG. 5



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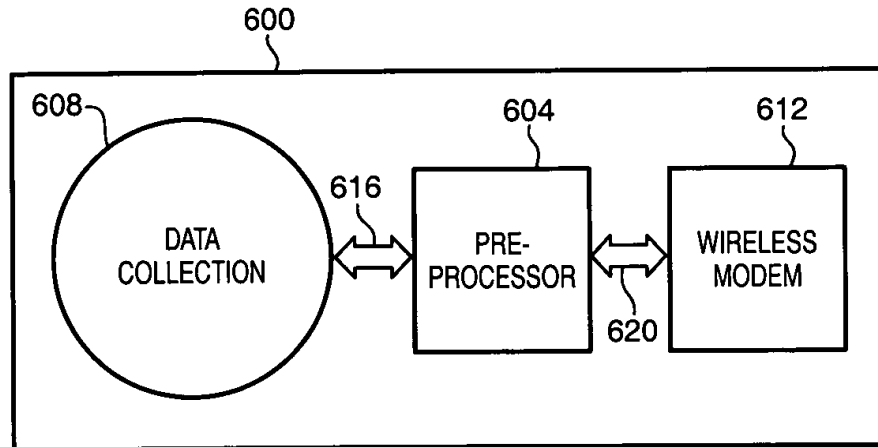


FIG. 6A

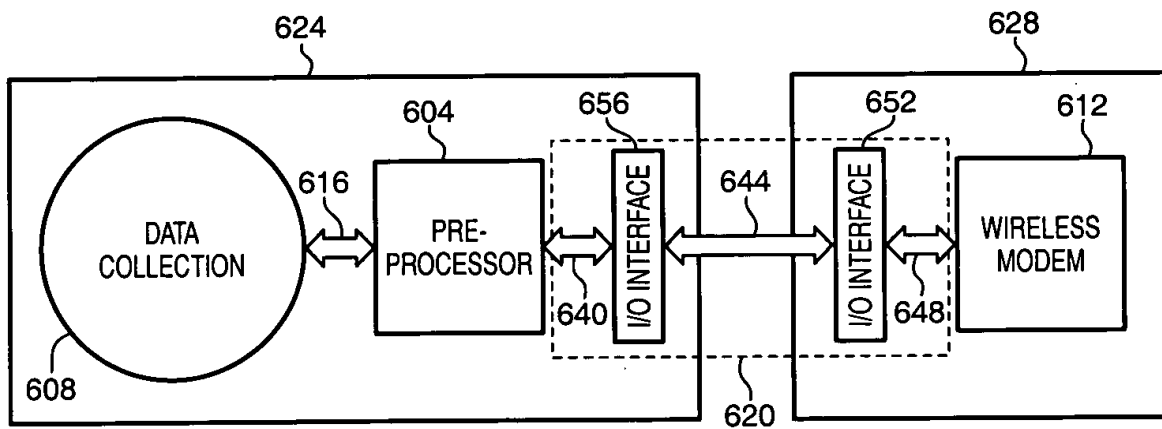


FIG. 6B

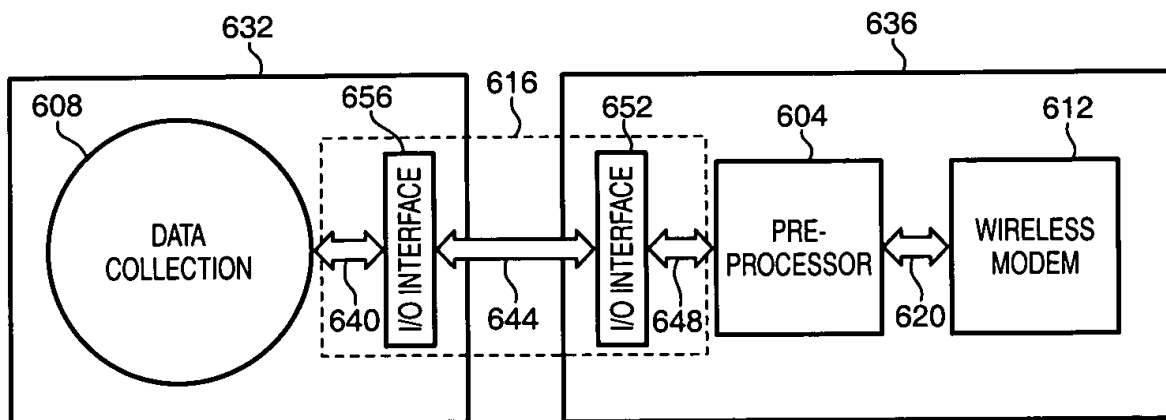
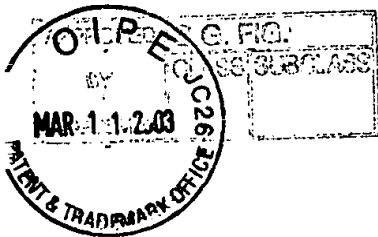


FIG. 6C



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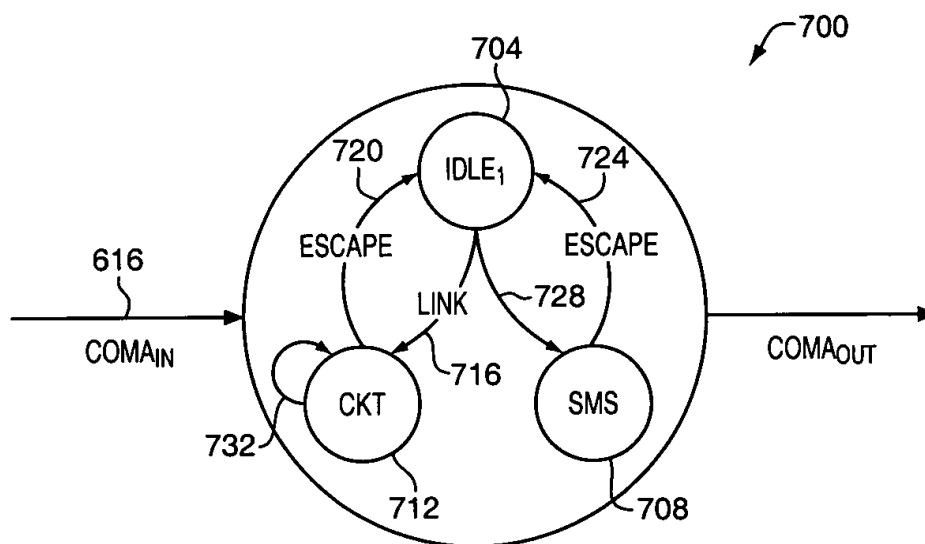


FIG. 7A

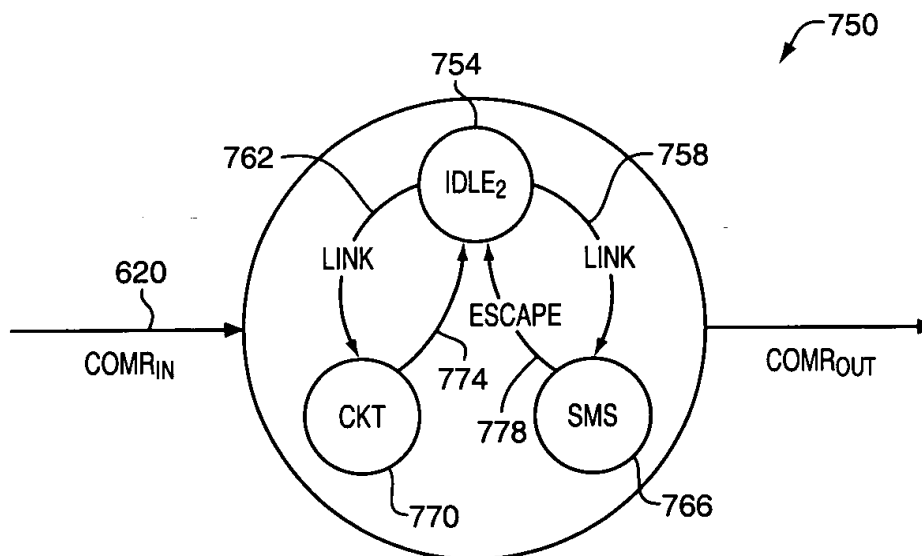


FIG. 7B

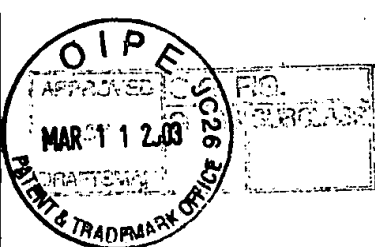
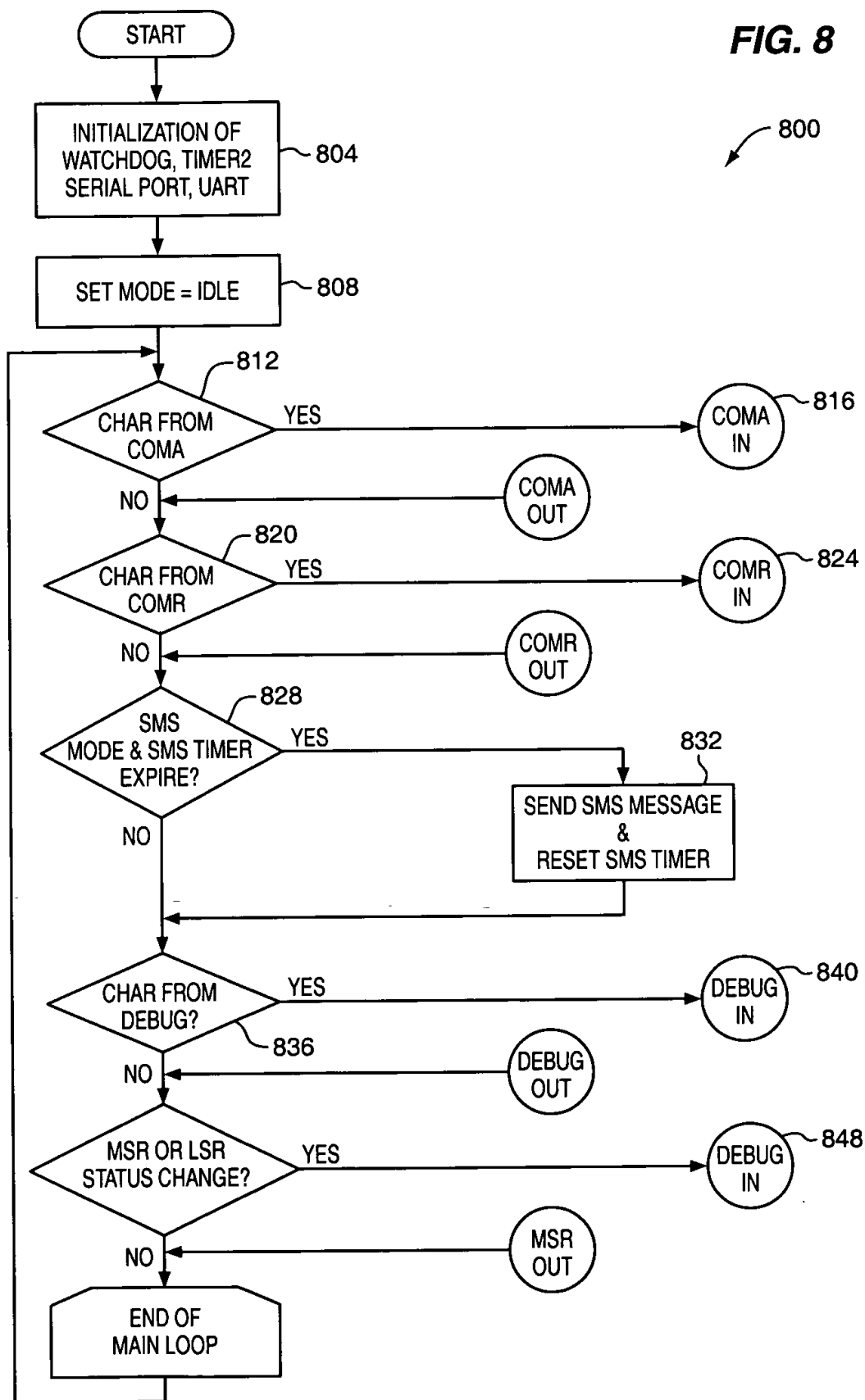


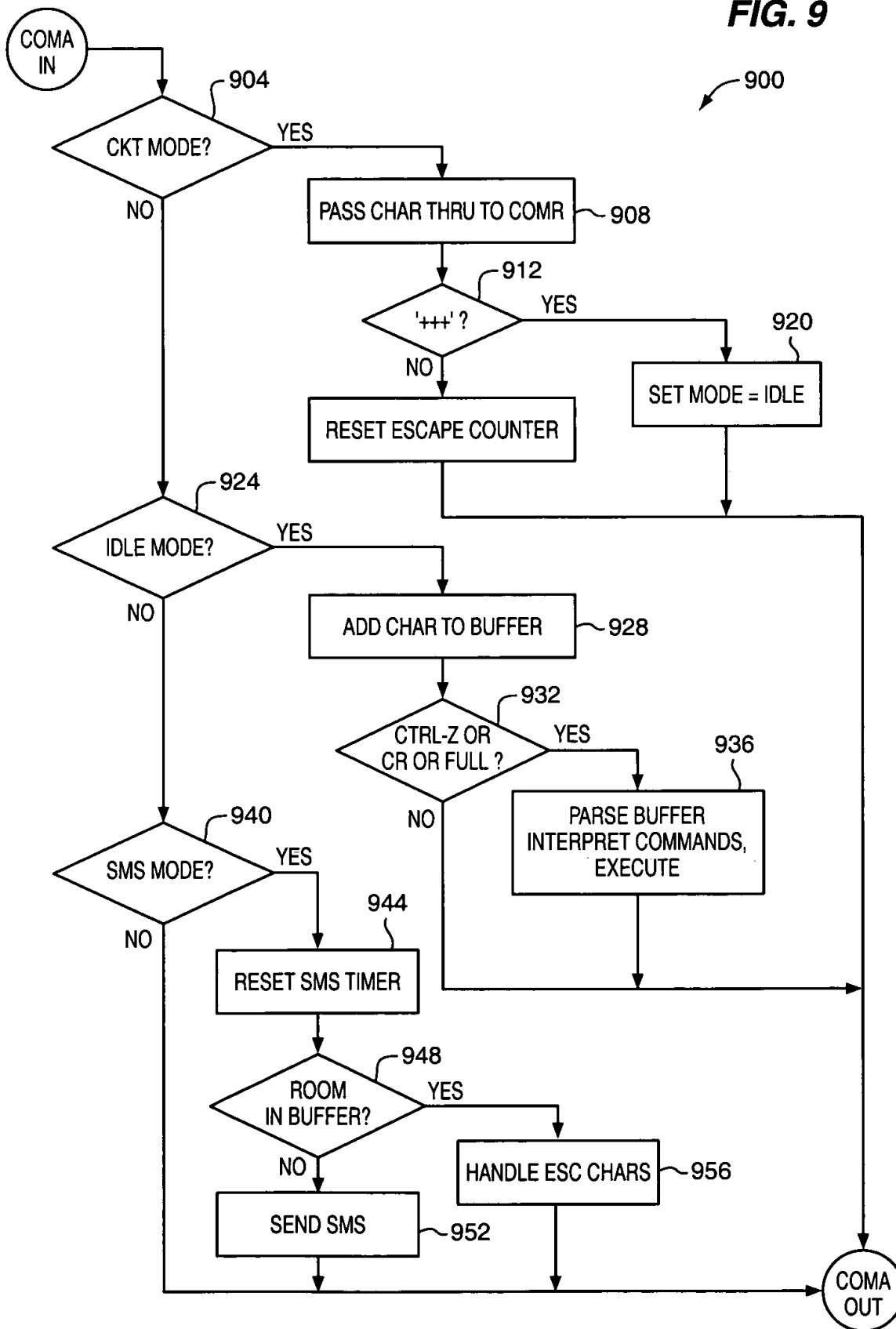
FIG. 8





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FIG. 9



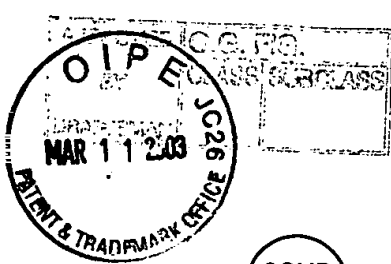
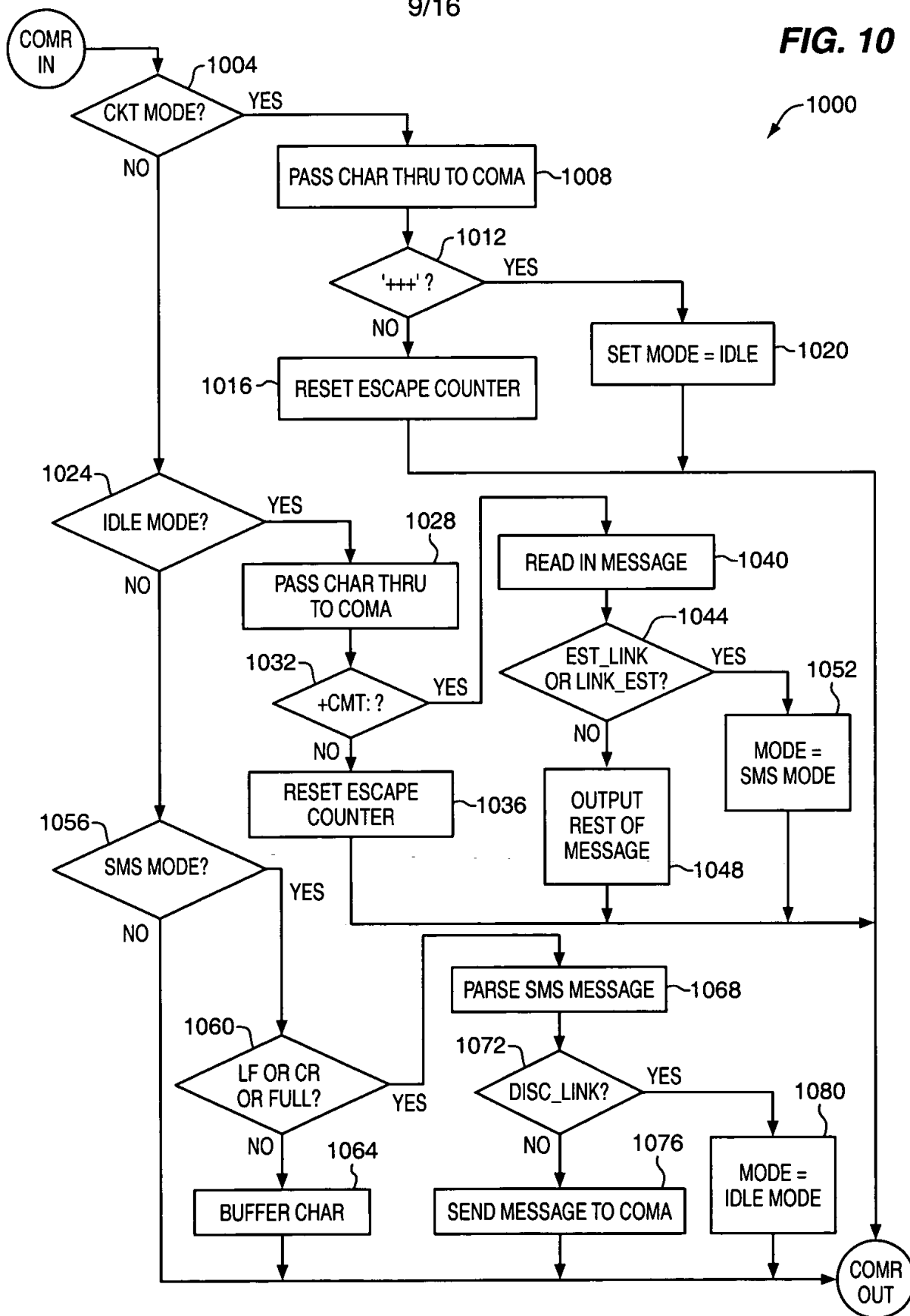
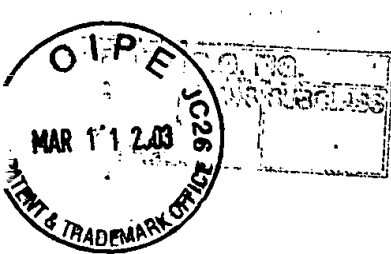


FIG. 10





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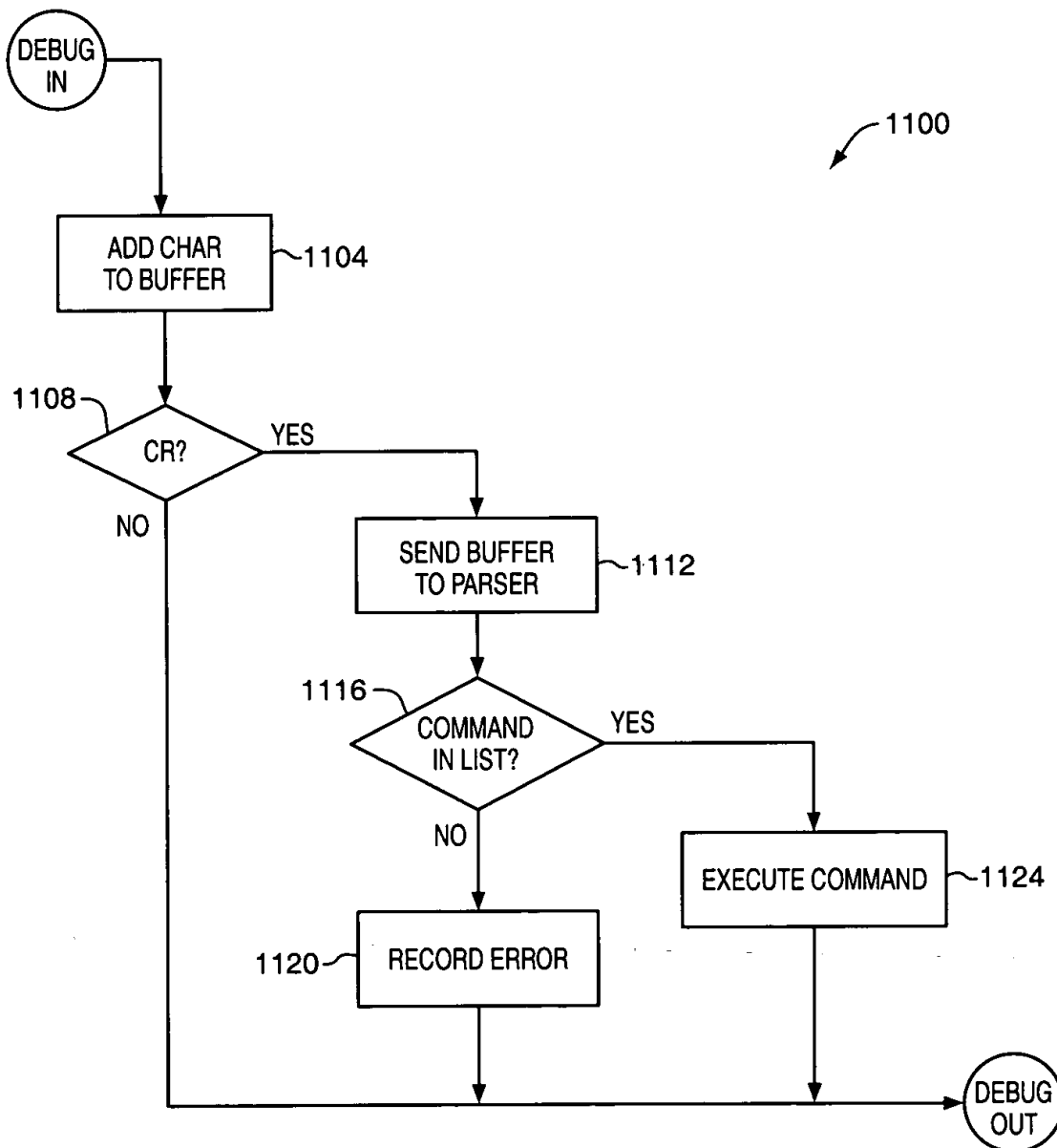
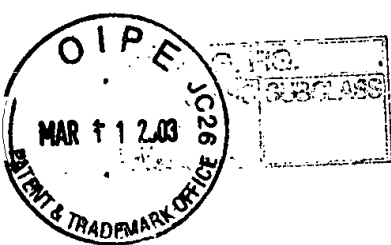


FIG. 11



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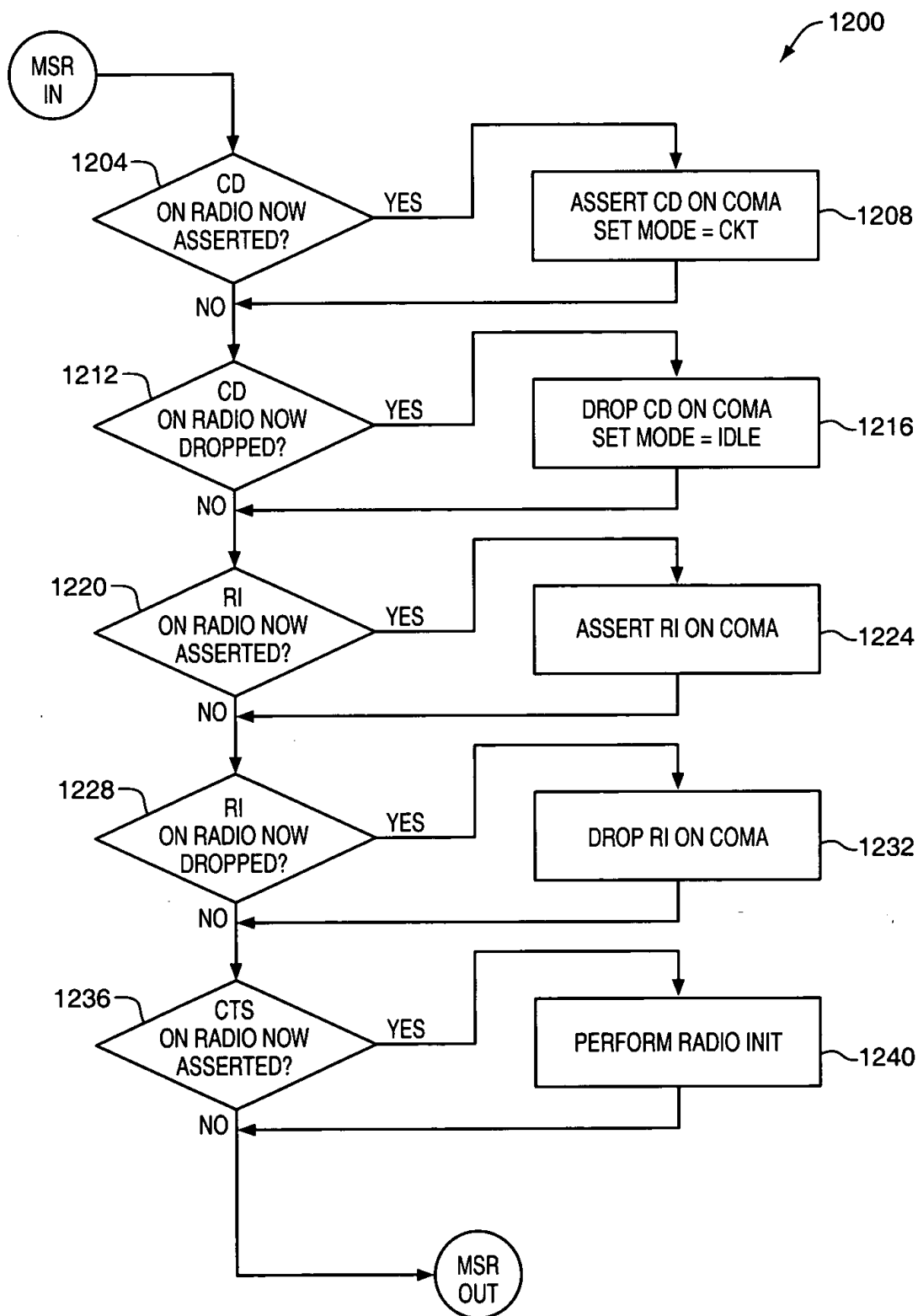
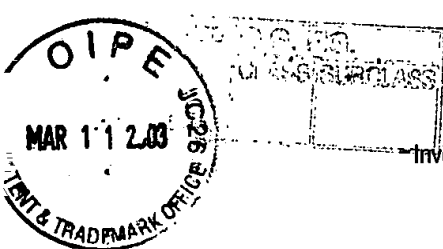


FIG. 12



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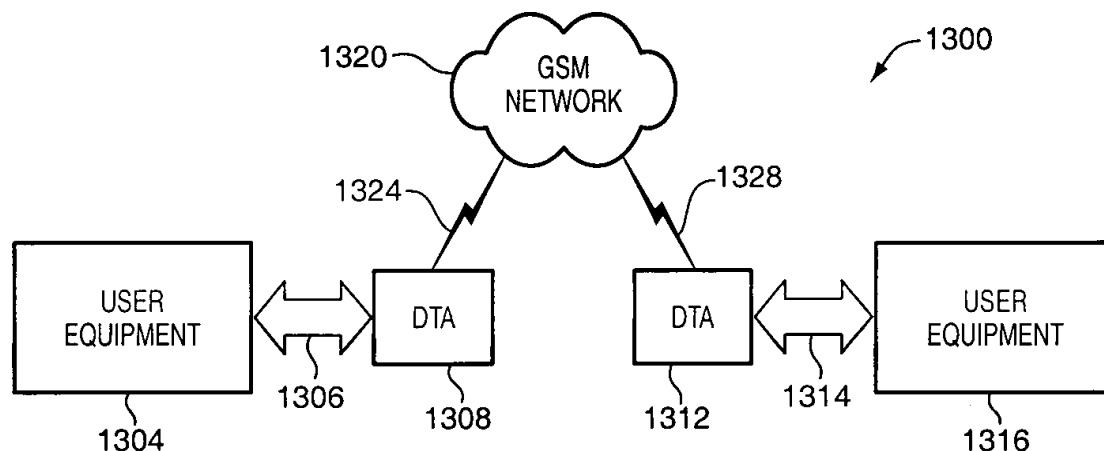


FIG. 13A

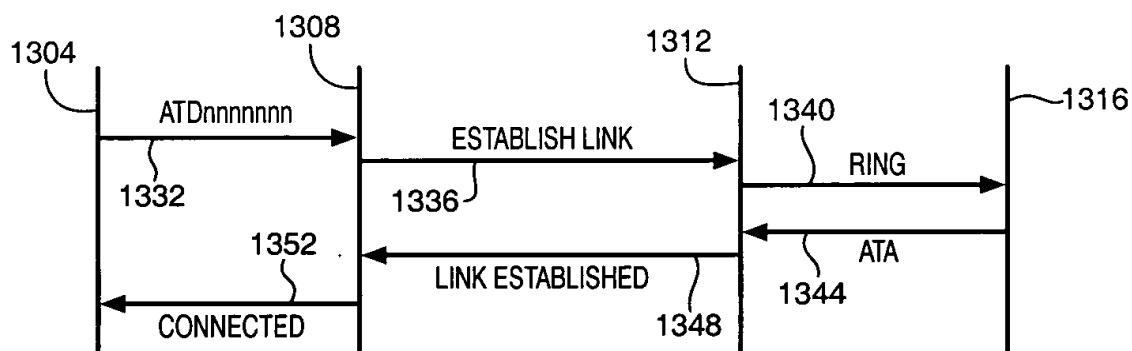


FIG. 13B

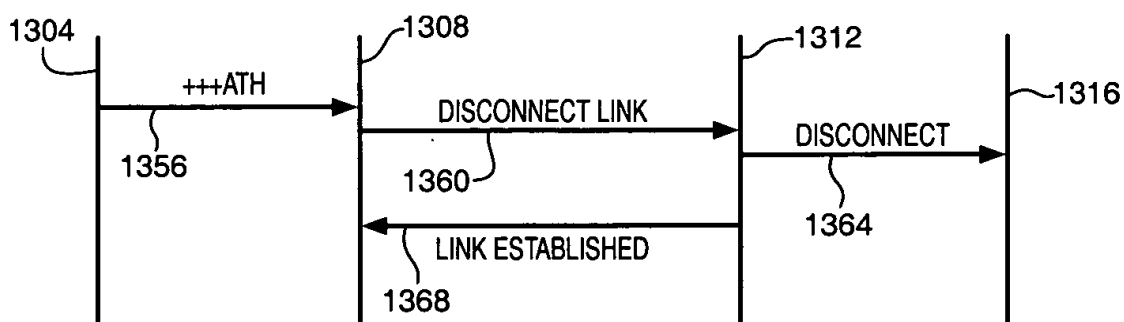


FIG. 13C

1350

1400

TELEMETRY
AUTOMATIC
METER
READING
METER
CONCENTRATION
POINT
UTILITY METER
CONTROL
SYSTEM
SUBSTATION
MONITORING
OTHER
APPLICATIONS

1404

RS-232
WITH HARDWARE
FLOW CONTROL

1448

REDHAWK™ 2000 SERIES
DATA TERMINAL UNIT (DTU)
(REQUIRES ANTENNA)

1452

1408

INSTALLER TOOLS
SOFTWARE

1484

1412

200

REDHAWK™ 2000 SERIES
DATA TERMINAL UNIT (DTU)
(SUPPLIED W/ INTERNAL ANTENNA
AND AC POWER SUPPLY)

1488

1416

T1

1456

BASE
TRANSCEIVER
STATION (BTS)

1420

T1

1456

BASE STATION
CONTROLLER
(BSC)

1424

MOBILE SWITCHING
CENTER (MSC)

1432

1456

INTERWORKING
FUNCTION (IWF)

1428

SHORT MESSAGE
SERVICE CENTER (SMSC)

1456

SS7, T1, ETC.

1436

PSTN
T1, MODEM,
X.25, ETC.

1440

INTERNET

1444

USER
APPLICATION
SERVER

1468

1480

OPTIONAL TERMINAL
MANAGEMENT SOFTWARE

FIG. 14

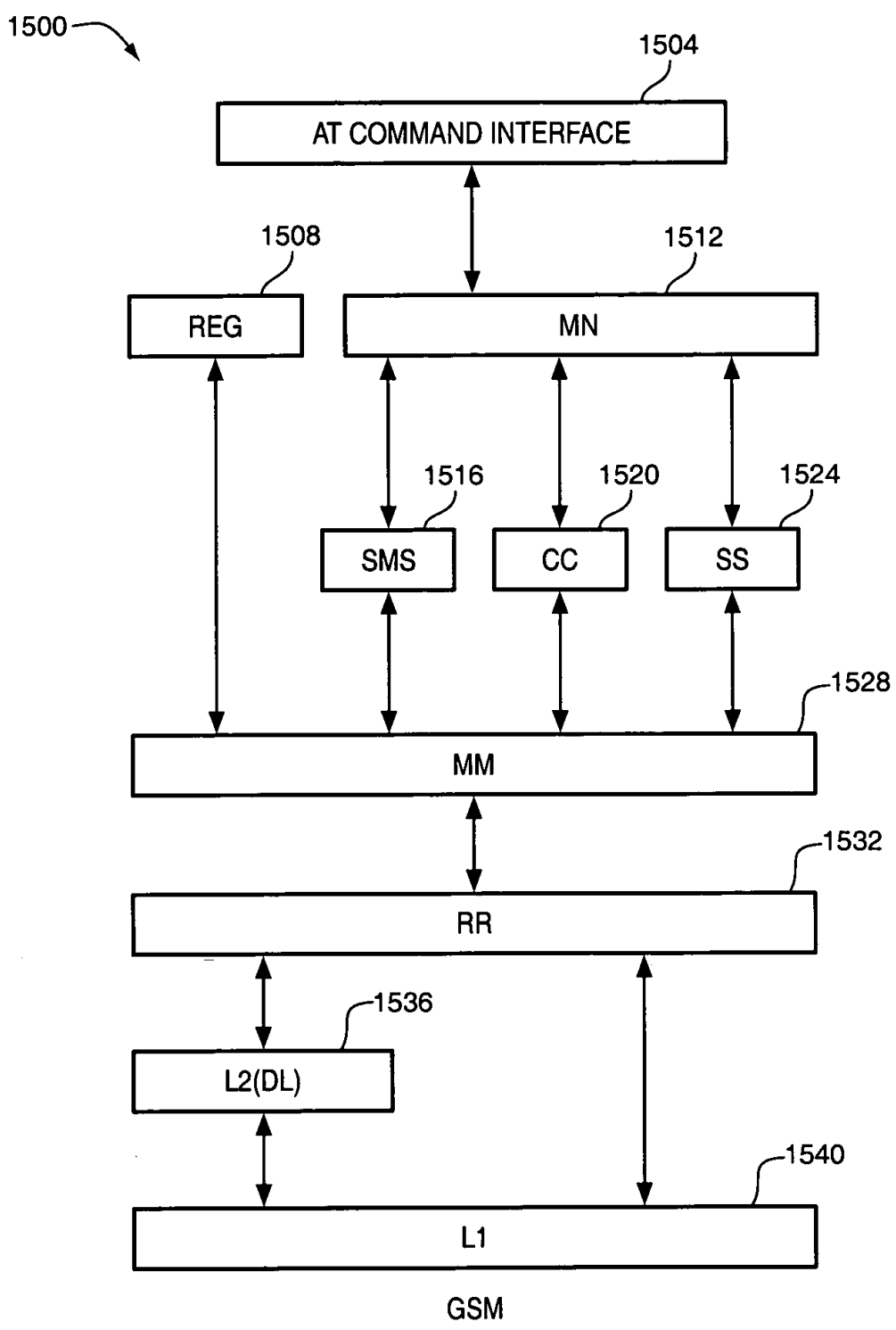
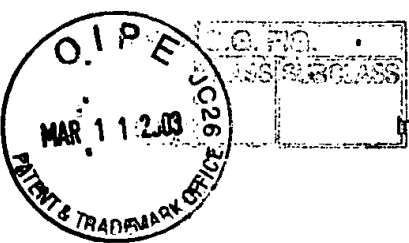


FIG. 15A



O.C. FIG.
CLASS 308 CLASS

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1580

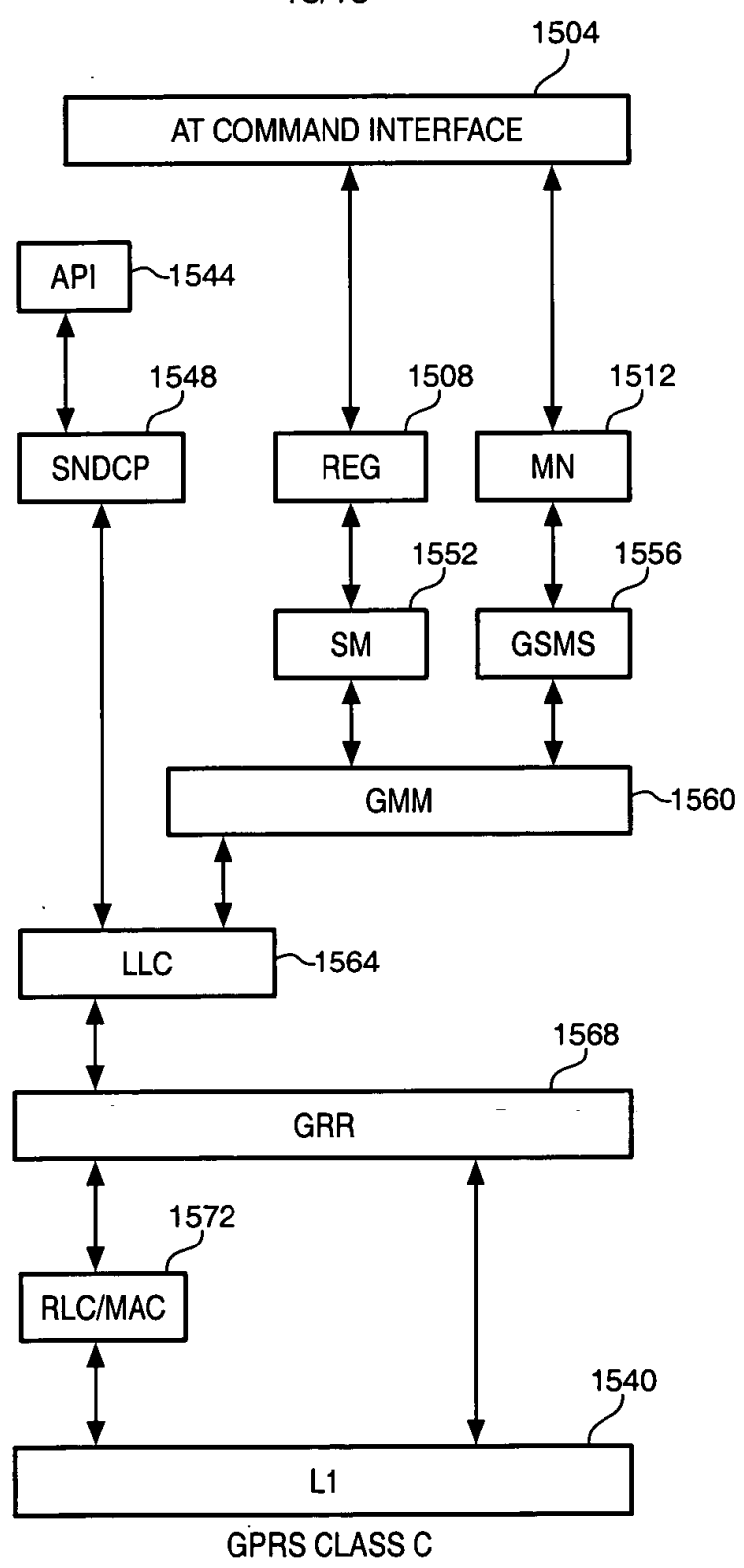


FIG. 15B

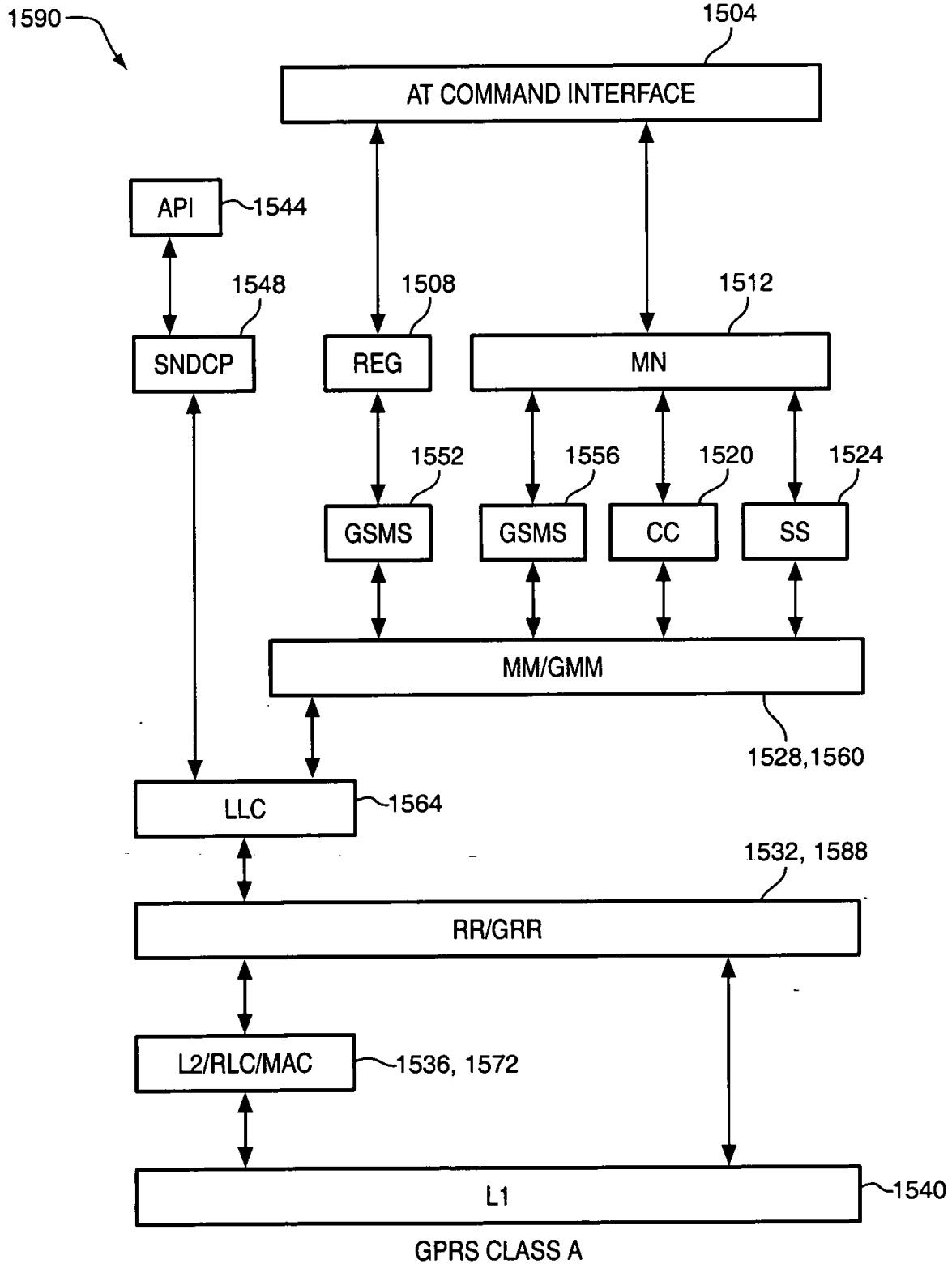
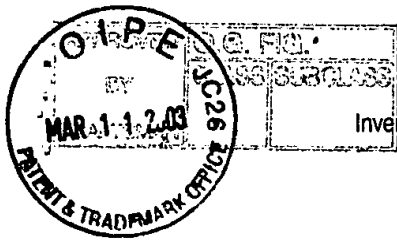


FIG. 15c